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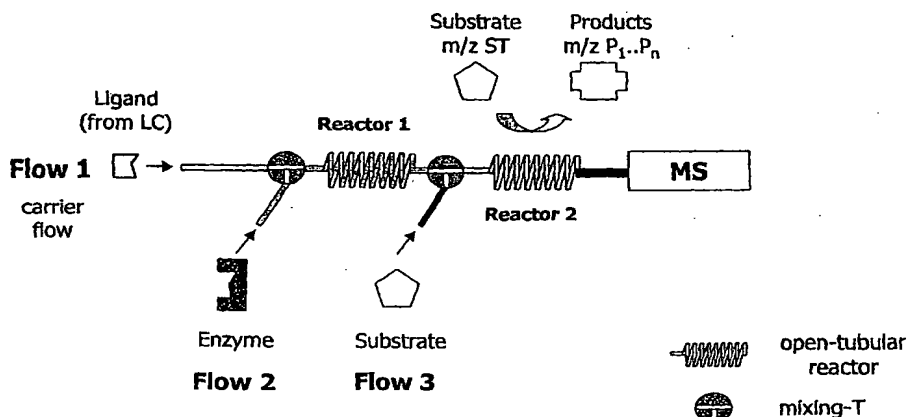
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(54) Title: CONTINUOUS-FLOW ENZYME ASSAY WITH MASS SPECTROMETRY DETECTION

On-line enzyme MS assay – System 1



(57) **Abstract:** The present invention relates to an on-line detection method comprising the steps of: contacting an effluent of a fractionation step with a controlled amount of an enzyme; allowing the enzyme to interact with analytes suspected to be present in the effluent; addition of a controlled amount of a substrate for said enzyme; allowing a reaction of the enzyme with the substrate providing one or more modified substrate products; and detection of unreacted substrate, or a modified substrate product using a mass spectrometer.